

AMENDMENTS TO THE CLAIMS

1 (Currently amended). A management device for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program which is installed therein, and the printer having a second software program which is installed therein, the device comprising:

a ~~deciding~~ determining controller for determining adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or for determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program; and

an updating controller for executing a predetermined process to update the first and the second software programs on the data processor and the printer based on the determination result by the determining controller.

2 (Original). The management device according to claim 1, wherein the updating controller updates the first software program and the second software program in a predetermined order which is defined based on the determination result by the determining controller.

3 (previously presented). The device according to claim 2, wherein when the determining controller determines that there is no adaptability between the new version of the first software program and the old version of the second software program, the updating controller updates the second software program and then updates the first software program.

4 (previously presented). The management device according to claim 2, wherein when the determining controller determines that there is no adaptability between the new version of the second software program and the old version of the first software program, the updating controller updates the first software program and then updates the second software program.

5 (Original). The management device according to claim 1, wherein the updating controller controls execution and prohibition of update of the first and the second software programs based on the determination result by the determining controller.

6 (Original). The management device according to claim 5, wherein when the determining controller determines that the new version of the first software program is not adaptable to neither of the new version of the second software program and the old version of the second software program, the updating controller prohibits the first software program already installed from being updated.

7 (Original). The management device according to claim 5, wherein when the determining controller determines that the new version of the second software program is not adaptable to neither the new version or the old version of the first software program, the updating controller prohibits the second software program already installed from being updated.

8 (Original). The management device according to claim 1, wherein the updating controller sends a message which prompts update of the first and the second software programs to the data processor to display the message, based on the determination result by the determining controller.

9 (Original). The management device according to claim 1, further comprising a memory for storing information about the adaptability between new version and old version for the first software program and the second software program, wherein the determining controller downloads the information about the adaptability via the network into the memory to determine the adaptability based on the downloaded information.

10 (Original). The management device according to claim 1, wherein the management device is incorporated in the printer.

11 (Original). The management device according to claim 10, wherein the updating controller receives information about the version of the first software program installed in the data processor, as well as the print job sent from the data processor, and executes said predetermined process based on the received information about the version.

12 (Original). The management device according to claim 1, wherein when the other data processor is connected to the network, the updating controller also executes the predetermined process to the other data processor.

13 (Original). The management device according to claim 1, wherein the first software program controls the data processor to generate a print job corresponding to the printer, and the second software program controls the printer to execute the print job generated by the first software program.

14 (Currently amended). A management device for managing a print system comprising a data processor and a printer for executing a print job sent from the data processor, the data processor having a first software program installed therein, the printer having a second software program installed therein, and the device being capable of being connected to a network, comprising:

a deciding determining controller for determining adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or for determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program, based on adaptability information obtained via the network; and

an updating controller for executing a predetermined process to update the installed first software program and the installed second software program based on the determination result by the determining controller.

15 (Original). The management device according to claim 14, wherein the updating controller updates the installed first software program and the installed second software program in a predetermined order which is defined based on the determination result by the determining controller.

16 (previously presented). The management device according to claim 15, wherein when the determining controller determines that there is no adaptability between the new version of the first software program and the old version of the second software program, the updating controller updates the installed second software program and then updates the installed first software program.

17 (previously presented). The management device according to claim 15, wherein when the determining controller determines that there is no adaptability between the new version of the second software program and the old version of the first software program, the updating controller updates the first software program and then updates the second software program.

18 (Original). The management device according to claim 14, wherein the updating controller controls execution and prohibition of update of the first and the second software programs based on the determination result by the determining controller.

19 (Original). The management device according to claim 18, wherein when the determining controller determines that the new version of the first software is not adaptable to neither the new version nor the old version of the second software program, the updating controller prohibits the first software program already installed from being updated.

20 (Original). The management device according to claim 18, wherein when the determining controller determines that the new version of the second software program is not adaptable to neither of the new version of the first software program and the old version of the first software, the updating controller prohibits the second software program already installed from being updated.

21 (Original). The management device according to claim 14, wherein the updating controller sends a message which prompts update of the first and the second software programs to the data processor to display the message based on the determination result by the determining controller.

22 (Original). The management device according to claim 14, wherein the network from which the adaptability information is obtained is a wide area network, and the data processor and the printer are connected to a local area network.

23 (Currently amended). The management device according to claim 14, further comprising
[[a]] an activating controller for accessing periodically a WEB site on which the latest version of the first and the second software programs are registered; determining whether or not the first and the second software programs registered on the WEB site are updated, and activating the determining controller and the updating controller when the first and second software programs are determined to be updated.

24 (Original). The management device according to claim 23, wherein the updating controller downloads the first and the second software programs from the WEB site into the printer.

25 (previously presented). A management method for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program which is installed therein, and the printer having a second software program which is installed therein, the method comprising:

deciding adaptability between old version of the first software program that has already been installed and a new version of the second software program, or adaptability between an old version of the second software program that has already been installed and a new version of the first

software program, where the first software program is of a type different than the second software program; and

updating the first and the second software programs on the data processor and the printer by executing a predetermined process to update, based on the determination result.

26 (Original). The management method according to claim 25, wherein the updating comprises updating the first software program and the second software program in a predetermined order which is defined based on the determination result.

27 (Original). The management method according to claim 25, wherein the updating comprises controlling execution and prohibition of update of the first and the second software programs based on the determination result.

28 (Original). The management method according to claim 25, wherein the updating comprises sending a message which prompts update of the first and the second software programs to the data processor to display the message, based on the determination result.

29 (Original). The management method according to claim 25, wherein the determining comprises downloading the information about the adaptability via the network into a memory and determining the adaptability based on the downloaded information.

30 (Original). The management method according to claim 25, wherein the first software program controls the data processor to generate a print job corresponding to the printer, and the second software program controls the printer to execute the print job generated by the first software program.

31 (previously presented). A management method for managing a print system comprising a data processor and a printer for executing a print job sent from the data processor, the data processor

having a first software program installed therein, and the printer having a second software program installed therein, the method comprising:

deciding adaptability between old version of the first software program that has already been installed and a new version of the second software program, or between an old version of the second software program that has already been installed and a new version of the first software program, based on adaptability information, the adaptability information being obtained via a wide area network, where the first software program is of a type different than the second software program; and

updating the installed first software program and the installed second software program by executing a predetermined process to update based on the determination result.

32 (Original). The management method according to claim 31, wherein the updating comprises updating the installed first software program and the installed second software program in a predetermined order which is defined based on the determination result.

33 (Currently amended). The management method according to claim 33 31, wherein the updating comprises controlling execution and prohibition of update of the first and the second software programs based on the determination result.

34 (Original). The management method according to claim 31, wherein the updating comprises sending a message which prompts update of the first and the second software programs to the data processor to display the message based on the determination result.

35 (Original). The management method according to claim 31, further comprising:

accessing periodically a WEB site on which the latest version of the first and the second software programs are registered;

deciding whether or not the first and the second software programs registered on the WEB site are updated; and

activating the determining controller and the updating controller when the first and second software programs are determined to be updated.

36 (previously presented). A computer program product for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program which is installed therein, and the printer having a second software program which is installed therein, the computer program product comprising:

a deciding control for determining adaptability between old version of the first software program that has already been installed and a new version of the second software program, or for determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program; and

an updating control for updating the first and the second software programs on the data processor and the printer by executing a predetermined process to update, based on the determination result by the determining control.

37 (Original). The computer product according to claim 36, wherein the updating control updates the first software program and the second software program in a predetermined order which is defined based on the determination result by the determining control.

38 (Original). The computer program product according to claim 36, wherein the updating control controls execution and prohibition of update of the first and the second software programs based on the determination result by the determining control.

39 (Original). The computer program product according to claim 36, wherein the updating control sends a message which prompts update of the first and the second software programs to the data processor to display the message, based on the determination result by the determining control.

40 (Original). The computer program product according to claim 36, wherein the determining control downloads the information about the adaptability via the network into a memory and determines the adaptability based on the downloaded on information.

41 (Original). The computer program product according to claim 36, wherein the first software program controls the data processor to generate a print job corresponding to the printer, and the second software program controls the printer to execute the print job generated by the first software program.

42 (previously presented). A computer program product for managing a print system comprising a data processor and a printer for executing a print job sent from the data processor, the data processor having a first software program installed therein, and the printer having a second software program installed therein, the computer program product comprising:

a deciding control for determining adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or for determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program, based on adaptability information, the adaptability information being obtained via a wide area network; and

an updating control for updating the installed first software program and the installed second software program by executing a predetermined process to update based on the determination result by the determining control.

43 (Original). The computer program product according to claim 42, wherein the updating control updates the installed first software program and the installed second software program in a predetermined order which is defined based on the determination result by the determining control.

44 (Original). The computer program product according to claim 42, wherein the updating control controls execution and prohibition of update of the first and the second software programs based on the determination result by the determining control.

45 (Original). The computer program product according to claim 42, wherein the updating control sends a message which prompts update of the first and the second software programs to the data processor to display the message based on the determination result by the determining control.

46 (Original). The computer program product according to claim 42, further comprising activating control for accessing periodically a WEB site on which the latest version of the first and the second software programs are registered, determining whether or not the first and the second software programs registered on the WEB site are updated, and activating the determining controller and the updating controller when the first and second software programs are determined to be updated.

47 (Currently amended). A management device for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program installed therein, and the printer having a second software program installed therein, the device comprising:

a detecting controller for detecting whether or not the first and second software programs installed is updated;

a deciding determining controller for determining adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or for determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program in response to the detecting result by the detecting controller; and

an updating controller for executing a predetermined process to update the software program installed in the other of the data processor and the printer.

48 (Original). The management device according to claim 47, wherein when the determining controller determines that there is no adaptability, the updating controller updates the software program installed in the other of the data processor and the printer.

49 (Original). The management device according to claim 48, wherein when the determining controller determines that there is no adaptability, the updating controller sends a message which prompts update of the software program installed in the other of the data processor and the printer to the data processor to display the message.

50 (previously presented). A management method for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program installed therein, and the printer having a second software program installed therein, the method comprising:

detecting whether or not the first and second software programs installed is updated;

deciding adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program, in response to the detecting result; and

updating the software program installed in the other of the data processor and the printer by executing a predetermined process to update.

51 (Original). The management method according to claim 50, wherein the updating comprises updating the software program installed in the other of the data processor and the printer, when it is determined that there is no adaptability.

52 (Original). The management method according to claim 50, wherein the updating comprises sending a message which prompts update of the software program installed in the other

of the data processor and the printer to the data processor to display the message, when it is determined that there is no adaptability.

53 (Currently amended). A computer program product for managing a print system comprising a data processor connected to a network and a printer for executing a print job sent from the data processor via the network, the data processor having a first software program installed therein, and the printer having a second software program installed therein, the computer program product comprising:

a detecting control for detecting whether or not the first and second software programs installed is updated;

a deciding control for determining adaptability between an old version of the first software program that has already been installed and a new version of the second software program, or determining adaptability between an old version of the second software program that has already been installed and a new version of the first software program, where the first software program is of a type different than the second software program, in response to the detecting result by the detecting control; and

an updating control for executing a predetermined process to update the software program installed in the other of the data processor and the printer.

54 (Original). The computer program product according to claim 53, wherein when the determining control determines that there is no adaptability, the updating control updates the software program installed in the other of the data processor and the printer.

55 (Original). The computer program product according to claim 53, wherein when the determining control determines that there is no adaptability, the updating control sends a message which prompts update of the software program installed in the other of the data processor and the printer to the data processor to display the message.